

**System and Method for Processor Thread
Acting as a System Service Processor**

ABSTRACT

A system and method for a processor thread acting as a
5 system service provider is presented. A computer system
boots up and initiates a service thread. The service
thread is responsible for service related tasks, such as
ECC checks and hardware log error checks. The service
provider invokes a second thread which is used as an
10 operational thread. The operational thread loads an
operating system, a kernel, and runs various applications.
While the operational thread executes, the service thread
monitors the operational thread for proper functionality as
well as monitoring service events. When the service thread
15 detects a problem with either one of the service events or
the operational thread, the service thread may choose to
store operational data corresponding to the operational
thread and terminates the operational thread.